



Natural Resource Engineer 2
Pacific Cascade Region
Recruitment #2006-09-6409

AGENCY MISSION AND CHALLENGE:

The mission of the Department of Natural Resources (DNR) is to provide professional, forward-looking stewardship of our state lands, natural resources, and environment. DNR provides leadership under the Commissioner of Public Lands, an elected official, in creating a sustainable future for the State Trust Lands.

At the DNR, we envision a future in which our human and natural environment provides abundant and diverse social, ecological, and economic benefits for the people of Washington, in this and all future generations. In acting to ensure the vision, we ensure sustainability.

DNR manages over 5 million acres of state-owned land that includes forest, range, commercial, agricultural and aquatic lands. Since 1970 DNR-managed lands have generated \$6 billion that support public schools, state institutions and county services. These lands also provide public benefits that include fish and wildlife habitat, clean and abundant water and public access to outdoor recreation. The DNR operates with a biennial budget of approximately \$400 million and has over 1300 employees. For more information about the department, see the DNR website at www.dnr.wa.gov

Job Classification:	Natural Resource Engineer 1 or 2
Type of Position:	There are two non-permanent positions expected to last 6-24 months. These positions may be filled at the NRE1 or NRE2 level. These positions are not represented.
Monthly Salary Range:	NRE1 - \$3,052 - \$3,908 NRE2 - \$3,450 – \$4,421
Benefits Package:	Health and dental insurance, retirement pension, vacation, sick leave and holidays
Posting Date:	September 21, 2006
Closing Date:	October 15, 2006
Location:	Battleground & Chehalis WA - Pacific Cascade Region

POSITION PROFILE

This position is responsible for:

- Consulting with Unit and District Managers on engineering aspects of harvesting and transportation systems - includes exploration of alternatives, benefit/cost analysis, and solution of site-specific problems.
- Administering compliance inspections on construction contracts, including verification of quantities, conformance with specifications, and authorization of minor changes to expedite construction and / or lower costs.
- Estimating logging road construction costs, including quantity estimates, rock pit development costs, and equipment and material costs.
- Under direction of a Region Engineer, performing systematic inspection, evaluation, and rating of all Region road bridges - includes prescription of maintenance and repairs.
- Assessing road maintenance or abandonment needs – setting up, negotiating, and complying limited public works agreements to complete the necessary work.
- Providing technical expertise to foresters for road maintenance and abandonment projects.
- Maintaining the District Road Maintenance and Abandonment Plan schedule and developing reports to meet Forest Practices reporting requirements.
- Assessing and designing site-specific plans for stream crossings structures.
- Creating timber sale road plans and rock quarry development plans.

REQUIRED POSITION QUALIFICATIONS

- Forest Engineering principles, techniques and application such as: logging systems, harvest system design and road transportation design
- Knowledge of forest practice standards, laws and rights-of-way

- Contract administration and compliance
- Use of engineering equipment, tools and software
- Knowledge of hydraulic structure design

This level of knowledge is typically achieved after:

- **NRE 1** - A Bachelor's degree in Forest Engineering **OR** A Bachelor's degree involving major study in Forestry or Civil Engineering and/or E.I.T. registration, plus, subsequent to graduation or registration, one year of engineering experience in harvest system design, forest transportation system design, or forest road construction/maintenance contract administration.
- **NRE 2** - One year as a Natural Resource Engineer 1 **OR** A Bachelor's degree in Forest Engineering and, subsequent to graduation, two years of engineering experience in harvest system design, forest transportation system design, or forest road construction/maintenance contract administration. For more information, visit: <http://hr.dop.wa.gov/lib/hrdr/specs/60000/60350.htm>

DESIRED POSITION QUALIFICATIONS

- Demonstrated proficiency in volumetric road design procedures.
- Demonstrated proficiency in basic survey procedures and use of equipment to collect and process field data for design, construction and costing of engineering projects.
- Demonstrated ability to prepare detailed and accurate descriptions, contracts, cost sheets, etc... for engineering projects.
- The ability to communicate effectively in verbal and written context,
- The ability to work independently and as a member of a team,
- Familiar with the use of forest engineering tools (such as GPS and laser measurement devices) and engineering software programs (such as auto CAD, RoadEng, Traverse PC, Pathfinder, and ArcGIS)

SPECIAL POSITION REQUIREMENTS AND WORKING CONDITIONS

- The ability to work in a field environment (including steep, mountainous terrain) under all types of weather conditions using forest engineering tools,
- The ability to operate a pickup sized vehicle and other tools as assigned,
- Must have a valid drivers license and have two years of driving experience.
- Must be at least 18 years of age at the time of hire.

WHO MAY APPLY

This recruitment is open to anyone who meets the required qualifications for this position.

APPLICATION PROCESS

To be considered for this position please submit:

- A letter of interest describing how your experience and qualifications relate to the job profile and the required and desired position qualifications. Indicate in your letter of interest how you learned of this opportunity.
- A completed application – www.dnr.wa.gov/jobs/stateapp.doc

The first screening will be based on information contained in your letter of interest and your state application.

Submit all materials by the closing date to: Judy Hainline @ judy.hainline@wadnr.gov

Electronic method preferred	OR other method
judy.hainline@wadnr.gov	Judy Hainline P.O Box 280 Castle Rock, WA 98611

NOTE: Please indicate **NR Engineer 2, recruitment #2006-09-6409** in the subject line of your e-mail.

By submitting the application materials you are indicating that all information is true and correct to the best of your knowledge. You understand that the state may verify information and that untruthful or misleading information is cause for removal from applicant pool or dismissal if employed.

Questions? Please contact James Shank at 360-577-2025 or e-mail us at DNRrecruiting@wadnr.gov.

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